

GEORGIA INSTITUTE OF TECHNOLOGY
OFFICE OF CONTRACT ADMINISTRATION
SPONSORED PROJECT INITIATION

no action
agreed

Date: August 18, 1977

Project Title: Energy Conservation Study of a Steel Slab Reheat Furnace

Project No: A-2025

Project Director: J. F. Lowry

Sponsor: National Steel Corp.

Agreement Period: From 8/1/77 Until 1/31/78

Type Agreement: Std. Ind. Res. Agree. dtd. 8/1/77

Amount: \$38,045

Reports Required: Monthly Progress

Sponsor Contact Person (s):

Technical Matters

Contractual Matters

(thru OCA)

Mr. E. J. Smith
National Steel Corporation
Research Center
Weirton, W.V. 26062

Defense Priority Rating:

Assigned to: Technology & Development Laboratory (School/Laboratory)

COPIES TO:

Project Director
Division Chief (EES)
School/Laboratory Director
Dean/Director-EES
Accounting Office
Procurement Office
Security Coordinator (OCA) ✓
Reports Coordinator (OCA)

Library, Technical Reports Section
Office of Computing Services
Director, Physical Plant
EES Information Office
Project File (OCA)
Project Code (GTRI)
Other _____

GEORGIA INSTITUTE OF TECHNOLOGY
OFFICE OF CONTRACT ADMINISTRATION
SPONSORED PROJECT TERMINATION

Date: 2/7/79

Project Title: Energy Conservation Study of a Steel Slab Reheat Furnace

Project No: A-2025

Project Director: G. B. Curtis, Jr.

Sponsor: National Steel Corp.

Effective Termination Date: 11/30/78

Clearance of Accounting Charges: All clear

Grant/Contract Closeout Actions Remaining: NONE

- ☐ Final Invoice and Closing Documents
- ☐ Final Fiscal Report
- ☐ Final Report of Inventions
- ☐ Govt. Property Inventory & Related Certificate
- ☐ Classified Material Certificate
- ☐ Other _____

Signed to: Technology & Development (School/Laboratory)

IS TO:

Insert

Missipect Director

*Pattern Chief (EES)

School/Laboratory Director

Dean/Director-EES

Accounting Office

Procurement Office

Security Coordinator (OCA) ✓

Reports Coordinator (OCA)

Library, Technical Reports Section

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Project File (OCA)

Project Code (GTRI)

Other _____



ENGINEERING EXPERIMENT STATION

GEORGIA INSTITUTE OF TECHNOLOGY • ATLANTA, GEORGIA 30332
GEORGIA PRODUCTIVITY CENTER

October 10, 1977

Mr. Edwin J. Smith
Vice President, Research and Development
National Steel Corporation
Research Center
Weirton, West Virginia 26062

Reference: Research Project A-2025
Energy Conservation
Study of Reheat Furnaces

Dear Mr. Smith:

Efforts to date for the subject project have included visits and discussions with all levels of operations in the facility. These included the fuels group, hot mill scheduling group, and Weirton engineering. From these and their records it has been determined that there is no definitive data available as to the actual fuel use in the reheat furnaces. The data reported to AISI is estimated and not sufficient for making engineering calculations. Therefore, requests for an oil meter and readout system, totalizers on the fuel flow recorders and calibration of existing instrumentation has been submitted to Weirton Engineering. It is estimated this will be installed during a scheduled down period about the first of November.

Meetings have been held with Bloom Engineering and Salem/Brosius to discuss furnace design and possible improvements. They are committed to working with us to improve the operation of the Weirton furnaces.

During the coming month it is anticipated that a meeting will be held with Surface Engineering to discuss the design and operation of their furnaces. Also additional studies will be made of the existing furnace operation to determine actual throughput and procedures.

Total charges accumulated through the month of August 1977 is \$1,832.22.

Respectfully Submitted,

James F. Lowry
Program Manager

JFL/pat